Int Math $M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$ Name_____

6-6 Distance & Midpoint Formulas (ver2)_hw

Date_____ Period____

Find the midpoint of the line segment with the given endpoints.

1) $(8, 6)$, $(8, -2)$

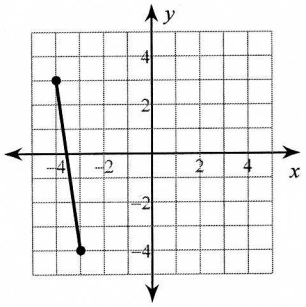
2) $(1, -8)$, $(9, -10)$

3) $(5, 10)$, $(2, 0)$

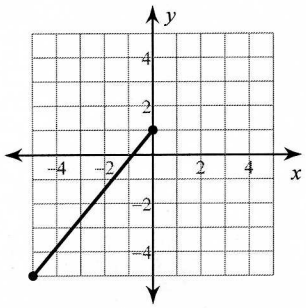
4) $(-2, 4)$, $(2, 1)$

Find the midpoint of each line segment.

5)



6)



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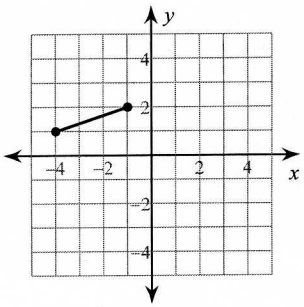

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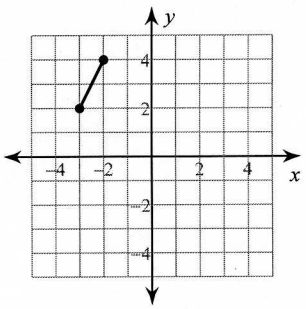

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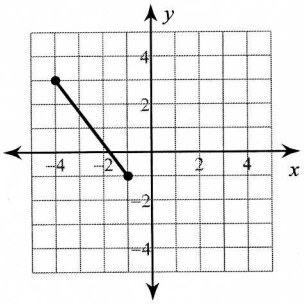

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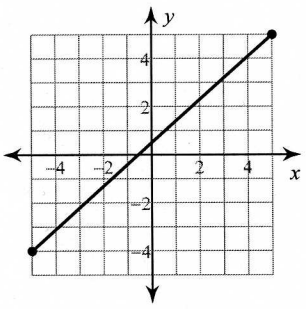

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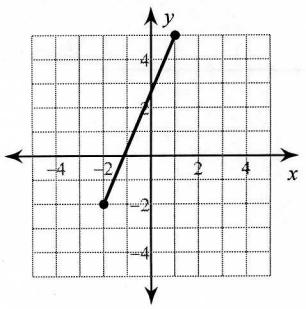

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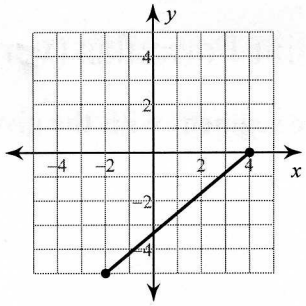

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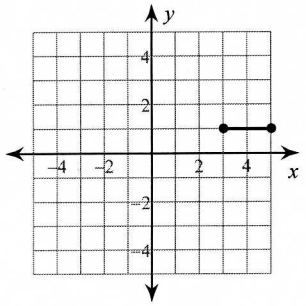

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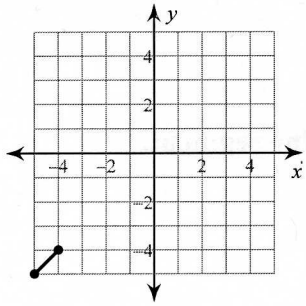

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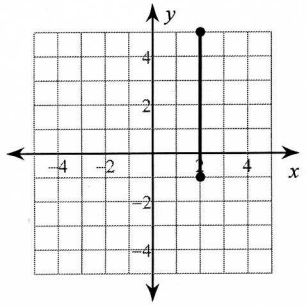

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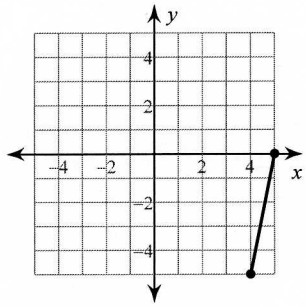

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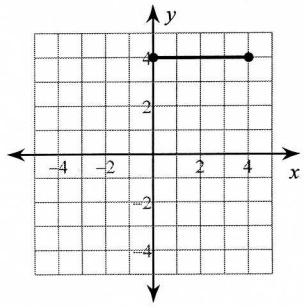
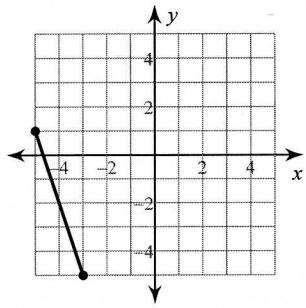


18)



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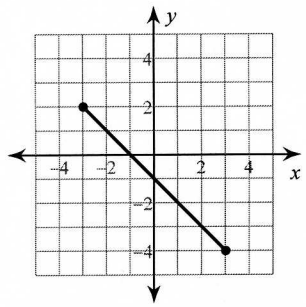
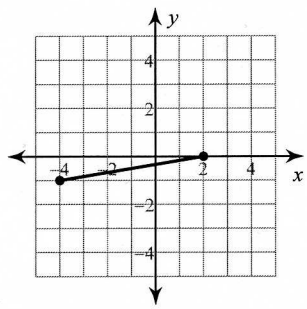


20)



Answers to 6-6 Distance & Midpoint Formulas (ver2)_hw

1) (8, 2)
2) (5, –9)
3) (3.5, 5)
4) (0, 2.5)
5) (–3.5, –0.5)
6) (–2.5, –2)
7) (–2.5, 1.5)
8) (–2.5, 3)
9) (–2.5, 1)
10) (0, 0.5)
11) (–0.5, 1.5)
12) (1, –2.5)
13) (4, 1)
14) (–4.5, –4.5)
15) (2, 2)
16) (4.5, –2.5)
17) (2, 4)
18) (–4, –2)
19) (0, –1)
20) (–1, –0.5)