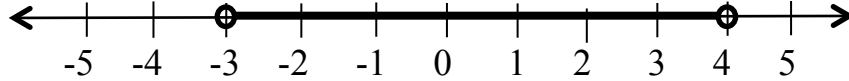


Algebra II Homework #5 – Answer Key

1) $x < 4$ or $x > -3$



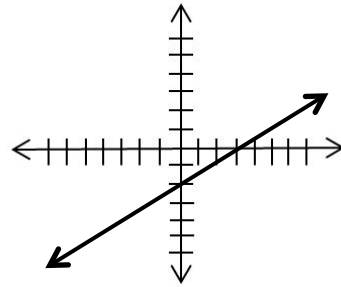
2) 6 p.m.

3) $x = -2$ or $x = -8$

4) 24, 26, 28

5) 42 gallons

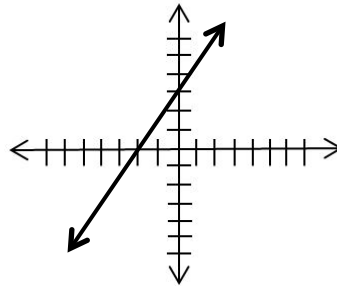
6) $m = \frac{-4}{3}$



7) $x_{\text{int}} = (\frac{10}{3}, 0)$ $y_{\text{int}} = (0, -2)$

8) $\sqrt{61}$

9) $m = \frac{1}{5}$

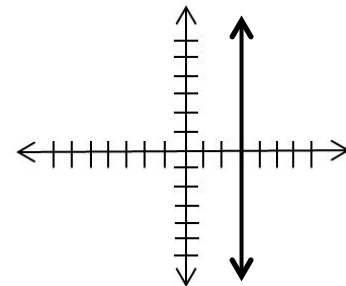


10) $x_{\text{int}} = (-2, 0)$ $y_{\text{int}} = (0, 3)$

11) $\sqrt{106}$

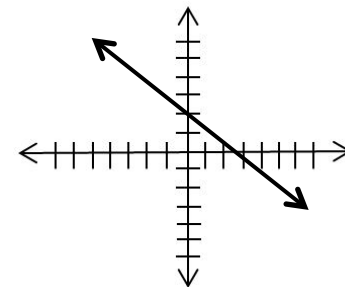
12) $m = \text{undefined}$

13) $x_{\text{int}} = (3, 0)$ $y_{\text{int}} = \text{none}$



14) $\sqrt{10}$

15) $m = \frac{-3}{4}$

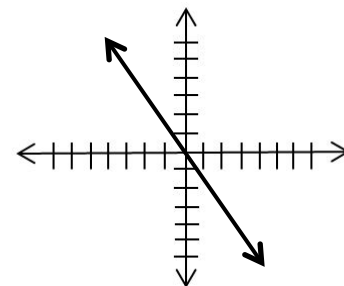


16) $x_{\text{int}} = (\frac{5}{2}, 0)$ $y_{\text{int}} = (0, 2)$

17) $\sqrt{65}$

18) $m = \frac{1}{2}$

19) $x_{\text{int}} = (0, 0)$ $y_{\text{int}} = (0, 0)$



20) $\sqrt{13}$