Algebra I Homework #10 – Answer Key
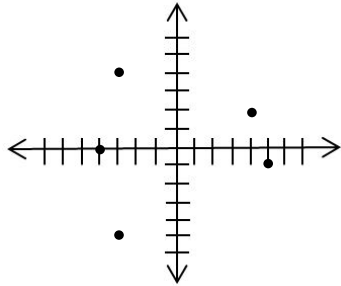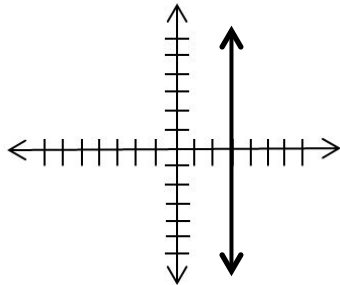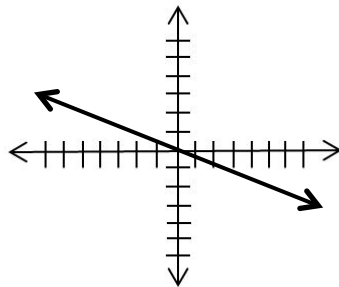
1) A) Quadrant III   B) Quadrant I   C) Quadrant IV   D) None   E) Quadrant II

2) See Graph

3) See Graph

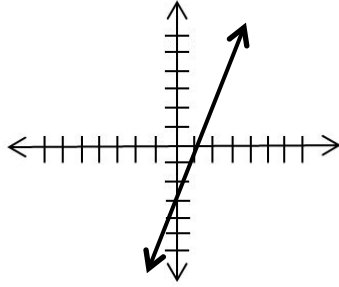

4) { } or ∅

5) See Graph

6) $x_{int} = (3, 0)$

$y_{int} = (0, \frac{-9}{5})$

7) $m = \frac{-3}{2}$

8) $y = \frac{-3}{7}x - 7$

9) $y = \frac{4}{9}x - \frac{29}{9}$

10) $x_{int} = (\frac{7}{3}, 0)$

$y_{int} = (0, 2)$

11) m = undefined

12) $y = \frac{2}{5}x + \frac{26}{5}$

13) $y = \frac{-7}{2}x - 16$

14) $x_{int} = (-2, 0)$

$y_{int} = (0, \frac{-4}{3})$

15) $m = \frac{8}{3}$

16) $x = -3$

17) $y = \frac{-5}{3}x - 14$

18) $m = \frac{1}{3}$

19) $y = \frac{-3}{8}x - \frac{7}{2}$

20) $y = x + 6$