

1-28. See below.

- a. $m = 5$
- b. $a = \frac{4\pi}{7} \approx 1.80$

1-29. See below.

- a. 2
- b. 30
- c. 13
- d. 7

1-30. See below.

- a. 4
- b. 5
- c. -2

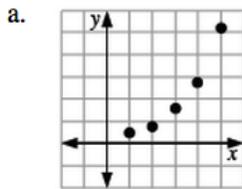
1-30. See below.

- a. 4
- b. 5
- c. -2

1-31. See below.

- a. 100° , obtuse
- b. 170° , obtuse
- c. 50° , acute

1-32. See below.



- b. The graph is a curve, going up – that is as x increases, y increases. The points are not connected, there is no x -intercept or y -intercept and negative values of either variable are not possible.
- c. Possible answers: max = 10 feet (the highest she can jump), min = 0 feet