Name: _____     Date: _____

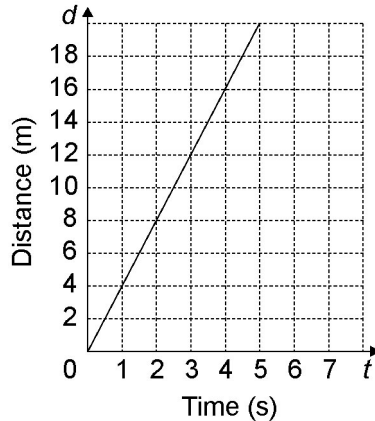# Practice: Get Ready

## Linear Relations

1.  Here is a distance-time graph.



a)  Find the slope of the graph.
    Interpret the meaning of the slope.

b)  Find the vertical intercept. What is the
    significance of this point?

2.  Here is a table of values for a
    linear relation.

| x | y |
|---|---|
| 2 | 1 |
| 4 | −1 |
| 6 | −3 |

a)  Graph the line.
b)  Find the slope of the line.
c)  Find the *y*-intercept.

## Line of Best Fit

3.  The table shows the free throws attempted
    and free throws made for a group of
    basketball players.

| Attempted | Made |
|-----------|------|
| 12 | 7 |
| 9 | 5 |
| 8 | 5 |
| 5 | 3 |
| 5 | 4 |
| 6 | 3 |

a)  Graph the data in the table. Draw a
    line of best fit.
b)  A player attempts 10 free throws.
    Based on the trend, how many would
    you expect to be successful?

## Slope

4.  Find the slope of each line segment

a)  

b)  

c)