Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_

5.4 – Direct Variation

**Set up a proportion and solve.**

1. If varies directly as and when , find when .

\_\_\_\_\_\_\_\_\_\_\_

1. If varies directly as and when , find when .

\_\_\_\_\_\_\_\_\_\_\_

1. The perimeter, , of an equilateral triangle varies directly as the length of a side. If the perimeter is when the side length is , what would be the perimeter is the side length is ?

\_\_\_\_\_\_\_\_\_\_

1. The circumference, , of a circle varies directly as the diameter. If the circumference is when the diameter is , find the circumference when the diameter is .

\_\_\_\_\_\_\_\_\_\_

1. At a given time, the length, , of the shadow of an object varies directly as the height of the object. If the shadow is when the height of the object is , what is the height of the object if the shadow is ?

\_\_\_\_\_\_\_\_\_\_\_

6. Solve: 7. Solve: