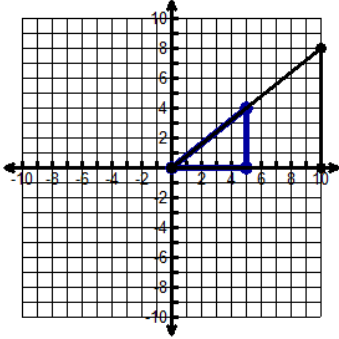


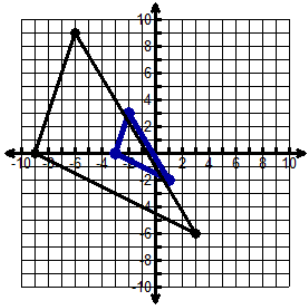
**SM2—10.2 answers 32 points total**

#1-4 are 5 points each, 1 point for each ordered pair, 1 point for each picture

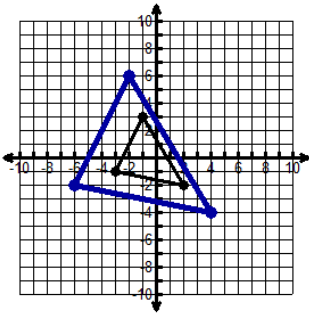
1.  $A'(0,0), B'(10,0), C'(10,8)$



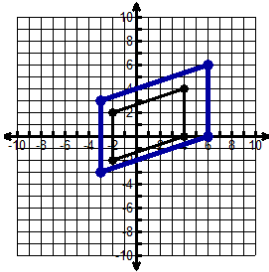
2.  $A'(-6,9), B'(-9,0), C'(3,-6)$



3.  $A'(-1,3), B'(2,-2), C'(-3,-1)$



4.  $A'(-2,-2), B'(4,0), C'(4,4), D'(-2,2)$



#1-5 are 4 points each, 0.5 point for each ordered pair, 1 point for the scale factor

5.  $A(2,1), B(-4,-2), C(-3,-5)$

$A'(4,2), B'(-8,-4), C'(-6,-10)$

Scale factor is 2

6.  $A(-8,0), B(-4,8), C(-2,-2)$

$A'(-4,0), B'(-2,4), C'(-1,-1)$

Scale factor is  $\frac{1}{2}$

7.  $A(-2,-3), B(1,3), C(3,-2)$

$A'(-6,-9), B'(3,9), C'(9,-6)$

Scale factor is 3

I will check challenge question.

Challenge:  $A'(-1,1), B'(-10,1), C'(-7,7)$

