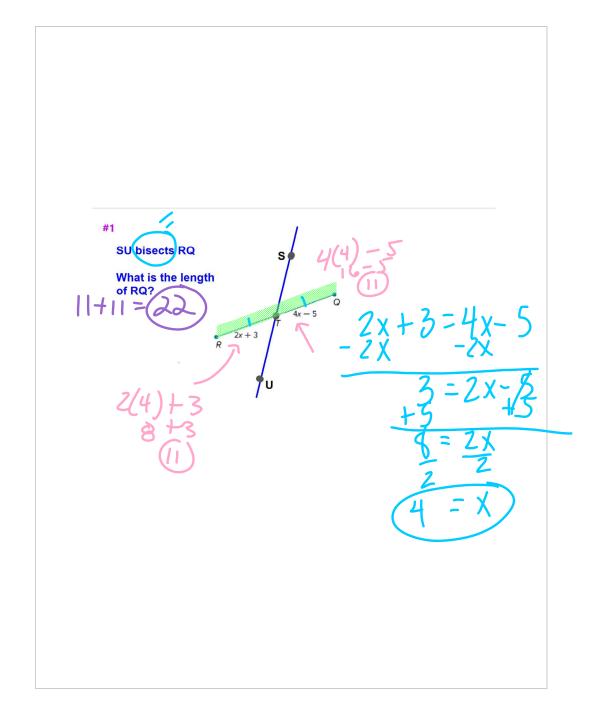
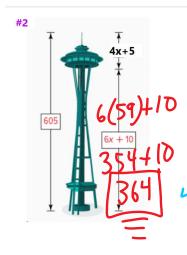
PDF

Benchmark Review





Darrell is visiting the Space Needle in Seattle, Washington.

He knows that the total height of the Space Needle is 605 feet.

The distance from the ground to the observation deck is represented by the expression 6x +10.

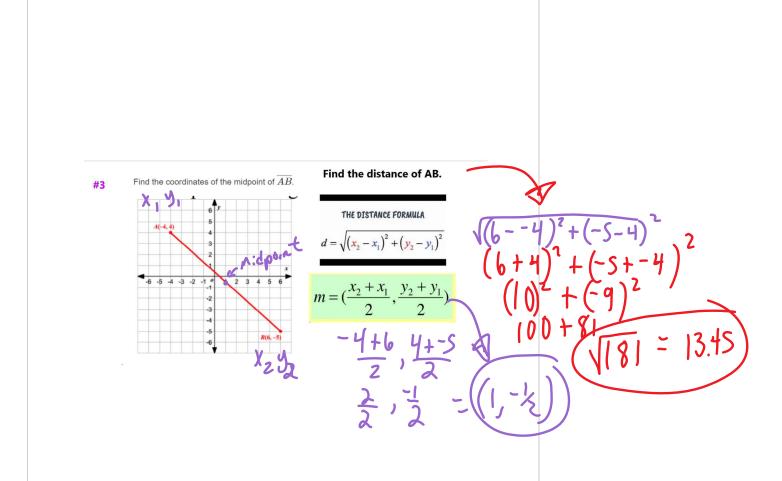
The distance from the observation deck to the top of the Space Needle is 4x +5 Help Darrell find the distance from the ground to the observation deck.

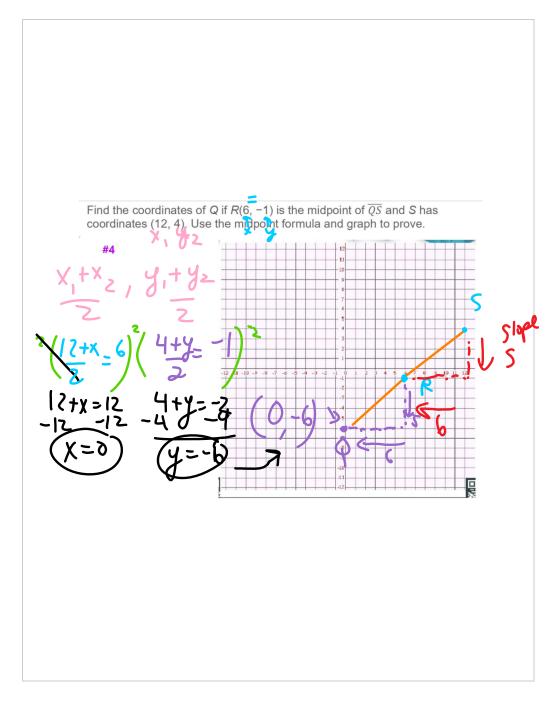
$$10x + 5 + 6x + 10 = 605$$

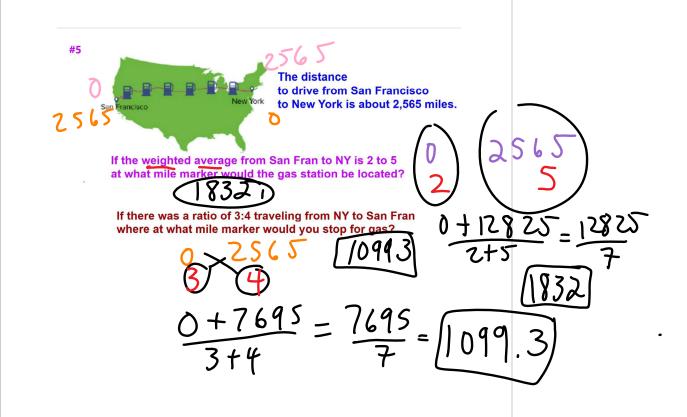
$$10x + 15 = 605$$

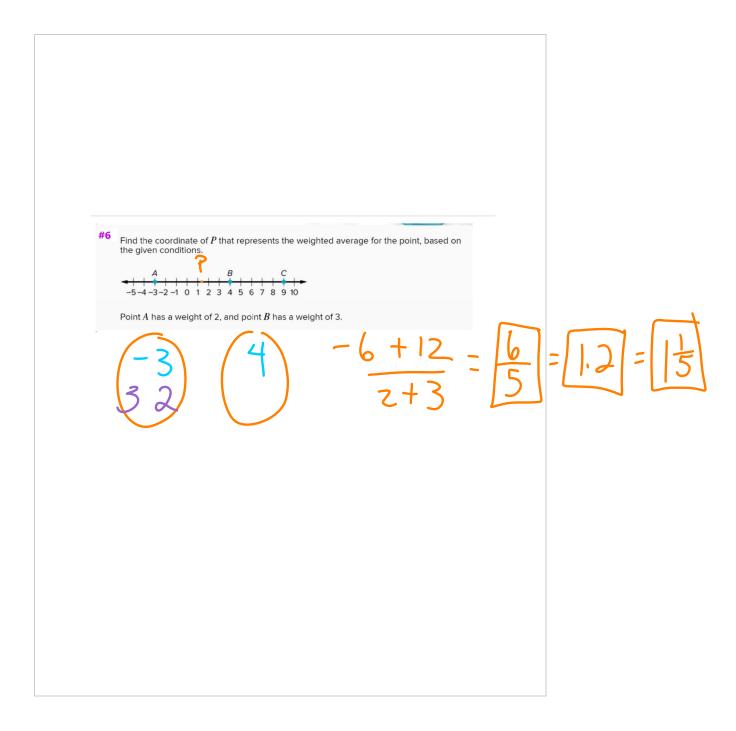
$$-15$$

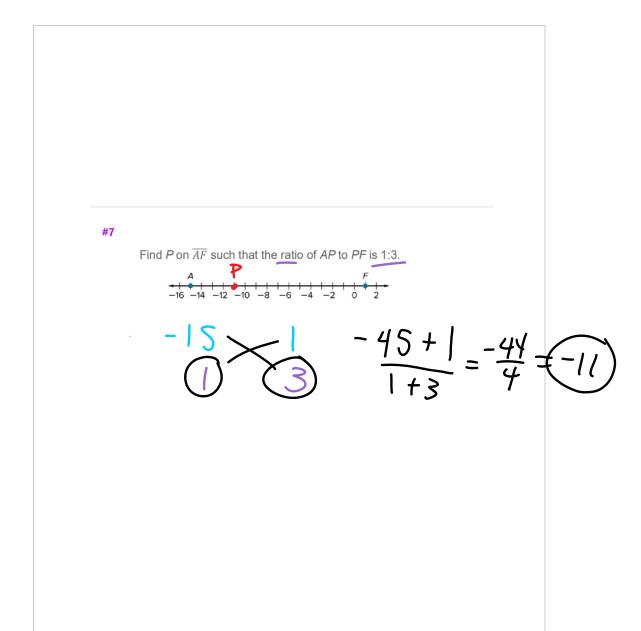
$$\frac{10 \times -590}{10} \times -59$$





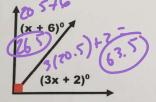












115°

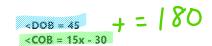
Complementary *When the sum of two angles add up to 90 degrees

$$x+6+3x+2=90$$
 $4x+8=90$
 $-8-8$
 $4x=82$
 $x=20.5$

Supplementary *When the sum of two angles add up to

180 degrees 115+2x+9=180





Solve for the

