

## P.E.R.T. Math Module 7 Quiz

1. Translate into an equation: "Ten subtracted from the product of a number and six is the same as the difference of the number and three."  
a)  $n(6 - 10) = n - 3$       b)  $6n - 10 = 3 - n$       c)  $6n - 10 = n - 3$       d)  $6(n - 10) = n \div 3$
2. Solve for  $x$ :  $5x + 16 = -x + 4$   
a)  $-3$       b)  $5$       c)  $-\frac{1}{6}$       d)  $-2$
3. Solve for  $x$ :  $-4(3x - 5) + 6x = 9x - 25$   
a)  $3$       b)  $15$       c)  $-3$       d)  $\frac{4}{3}$
4. Solve for  $x$ :  $\frac{2}{3} - \frac{x}{6} = \frac{3x}{2}$   
a)  $6$       b)  $\frac{1}{2}$       c)  $\frac{1}{3}$       d)  $\frac{2}{5}$
5. Solve for  $y$ :  $2x + 3y = 15$   
a)  $y = \frac{2}{3}x - 5$       b)  $y = -\frac{2}{3}x + 5$       c)  $y = \frac{2}{3}x + 15$       d)  $y = -\frac{2}{3}x - 5$

### Answer Key

1. C
2. D
3. A
4. D
5. B