

Math 41
Quiz 2
January 27, 2016

name _____

1. Find slope intercept form of the equation of the line through $(2, -3)$ and *perpendicular* to the line $y = -\frac{2}{5}x - 1$.

2. Find the equation of the vertical line through the point $(4, -1)$.

3. A toy store is introducing a new **Disney** educational craft-clay modeling kit called, **“Playing With Pooh”**. It has determined that in January it has sold 100 kits and expects to sell 300 kits in March. Find a linear equation that gives the number of kits, N , in terms of the month, t . Let $t = 1$ correspond to January.

