Test Friday

1) $2.4(v-1.6) = 3.6(-v+3.2)$

$2.4v - 3.84 = -3.6v + 11.52$

$2.4v + 3.6v - 3.84 = -3.6v + 3.6v + 11.52$

$6v - 3.84 = 11.52$

$6v - 3.84 + 3.84 = 11.52 + 3.84$

$\frac{6v}{6} = \frac{15.36}{6}$

$v = 2.56$

Warm-Up

Graph

2. Solve: $-\frac{x}{4} + \frac{6}{5} \leq \frac{5}{4}$

$(20)\left(-\frac{x}{4} + \frac{6}{5}\right) \leq \left(\frac{5}{4}\right)(20)$

$\frac{-20x}{4} + \frac{120}{5} \leq \frac{100}{4}$

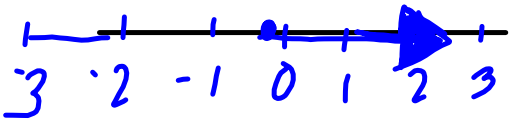
$-5x + 24 \leq 25$

$-5x + 24 - 24 \leq 25 - 24$

$\frac{-5x}{-5} \leq \frac{1}{-5}$

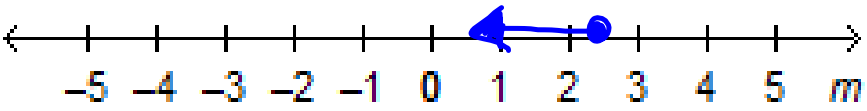
$x \geq -\frac{1}{5}$

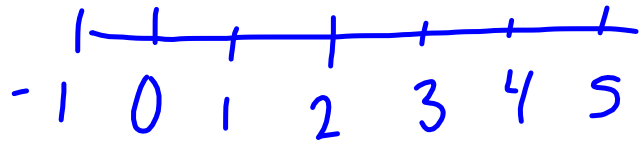
$x \geq -0.2$



2.5

Graph the solution of $m \leq 2\frac{1}{2}$ on a number line.





. A cell phone company offers two different plans.
Plan A: Monthly fee of $36, plus $0.38 per minute
Plan B: Monthly fee of $30, plus $0.46 per minute

a) Write an equation to determine the time in minutes that results in the same monthly cost for both plans.
b) Solve the equation.
c) Verify the solution.

Let "x" represent minutes

Plan A = Plan B

$36 + 0.38x = 30 + 0.46x$

$36 + 0.38x - 0.46x = 30 + 0.46x - 0.46x$

$36 - 0.08 = 30$

$36 - 36 - 0.08 = 30 - 36$

$\frac{-0.08}{-0.08} = \frac{-6}{-0.08}$

$x = 75$ minutes

Test Practice

Textbook--- Page 308 3, 4, 7

Page 309 8, 10, 11, 12, 15,16

Practice Test

Page 310 2, 3, 4