Warm-Up February 4, 2019

a) $-5(3p-4)=-55$

$-15p+20=-55$

$-15p+20-20=-55-20$

$\frac{-15p}{-15}=\frac{-75}{-15}$

$p=5$

BEDMAS

L	R
$-5(3\times5-4)$	-55
$-5(15-4)$	
$-5(11)$	
-55 ✓	

b) $41=12m-5$

$12m-5=41$

$12m-5+5=41+5$

$\frac{12m}{12}=\frac{46}{12}$

$m=\frac{46}{12}$

$46\div12$

$3\frac{6}{6}$

L	R
41	$12m-5$
✓	$12(3.83)-5$
	$45.96-5$
	40.96

FRIDAY Page 272-273 8, 10, 18 [pg 513 ans.]

a) $j = 3.2$

b) $r = 24$

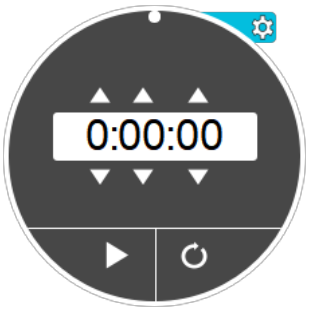
c) $x = -\frac{1}{2}$

d) $n = 3$

Page 286 1 and 5 [page 515 ans]

Practice for 15 minutes...

questions to pass in.



Solving Equations with Variables on Both sides

1. All variables to left side
2. Simplify like terms [Group like terms]
3. solve for variable

A. $6x + 2 = 10 + 4x$

$6x - 4x + 2 = 10 + 4x - 4x$

$2x + 2 = 10$

$2x + 2 - 2 = 10 - 2$

$\frac{2x}{2} = \frac{8}{2}$

$x = 4$

BEDMAS

L	R
$6x+2$	$10+4x$
$6(4)+2$	$10+4(4)$
$24+2$	$10+16$
26	26

✓

B. $-3x + 7 = 2x - 8$

$-3x - 2x + 7 = 2x - 2x - 8$

$-5x + 7 = -8$

$-5x + 7 - 7 = -8 - 7$

$\frac{-5x}{-5} = \frac{-15}{-5}$

$x = 3$

Verify

L	R
$-3x+7$	$2x-8$
$-3(3)+7$	$2(3)-8$
$-9+7$	$6-8$
-2	-2

✓

c. $3r - 2 = r + 4$

d) $1 - \frac{y}{5} = 3$