

Math 60, Wed 4/9

Questions on 1.4
New material 1.5

Notes: Mission 1 due Monday 4/14
Checkpoint 2 ~~due~~
on Friday 4/11

1.4 questions

71
75
13✓
17✓
21✓
25✓
9✓
65
59✓
69
15

9. $5 + 3x$
 $= 3x + 5$

13. $5(x + 3)$
 $= 5(\underline{3 + x})$

Commutative of
addition means switch
the things being added

17. $x + \underline{y6}$
 $= x + 6y$

25. $7(4x)$
 $= (7 \cdot 4)x$
 $= 28x$

Keep the same operations
in the same order
but change the # grouping

59. $5(\overbrace{3x + 2}) - 4$
 $= 15x + \underline{10} - 4$
 $= 15x + 6$

65.

Section 1.5 - Addition of Real Numbers

Adding Integers

Same sign
add values
and keep
the sign

You get paid \$100 and get paid \$50.

$$100 + 50 \\ = \$150$$

You spend \$100 and spend \$50.

$$-100 + (-50) \\ = -150$$

opposite
signs
Take the
difference
and use
the sign
of the
larger value

You get paid \$100 and spend \$50.

$$= 100 + (-50) \\ = 50$$

You spend \$100 and get paid \$50.

$$= -100 + 50 \\ = -50$$

62. $|4 + (-11)| + |-3 + (-4)|$

also a grouping symbol \nearrow

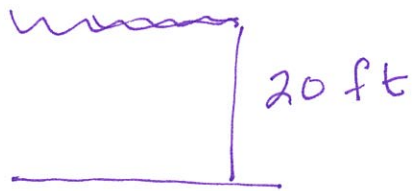
$$= |-7| + |-7| \\ = 7 + 7 \\ = 14$$

Absolute value
distance from
zero

operates on
a single
number

PEMDAS
Left to Right Left to Right

78.



rose 3 ft

fell 2

fell 1

fell 4

rose 2

$$20 + 3 + (-2) + (-1) + (-4) + 2$$

$$= 25 + (-7)$$

$$= 18 \text{ feet}$$

The reservoir's water level was 18 feet.

#80.