Name/Date___ solutions _____

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 4.3 - Even More Order of Operations

① $-\dfrac{14}{7} \cdot \dfrac{6}{2} \cdot (-5)$

$= -2 \cdot \dfrac{6}{2} \cdot (-5)$

$= -2 \cdot 3 \cdot (-5)$

$= -6 \cdot (-5)$

$= \boxed{30}$

② $6 + 4^2 \cdot (10 - 13)$

$= 6 + 4^2 \cdot (-3)$

$= 6 + 16 \cdot (-3)$

$= 6 + (-48)$

$= \boxed{-42}$

1 2 3 4
PEMDAS

③ $\dfrac{-18}{-2} - 4$

$= 9 - 4$

$= \boxed{5}$

④ $\left(\dfrac{50}{5}\right)^2 - 25 \cdot 3$

$= (10)^2 - 25 \cdot 3$

$= 100 - 25 \cdot 3$

$= 100 - 75$

$= \boxed{25}$

⑤ $\dfrac{3 \cdot 5^2 - 15 \cdot 2}{-9}$

$= \dfrac{3 \cdot 25 - 15 \cdot 2}{-9}$

$= \dfrac{75 - 30}{-9}$

$= \dfrac{45}{-9}$

$= \boxed{-5}$

⑥ $2 \cdot 4 + [-3 \cdot (2-6)]$

$= 2 \cdot 4 + [-3 \cdot (-4)]$

$= 2 \cdot 4 + 12$

$= 8 + 12$

$= \boxed{20}$

⑦ $(5-2)^2 \cdot 2 \div \left(\dfrac{6^2}{-2}\right)$

$= (3)^2 \cdot 2 \div \left(\dfrac{6^2}{-2}\right)$

$= (3)^2 \cdot 2 \div \left(\dfrac{36}{-2}\right)$

$= (3)^2 \cdot 2 \div (-18)$

$= 9 \cdot 2 \div (-18)$

$= 18 \div (-18)$

$= \boxed{-1}$

⑧ $(4-7) \cdot (4+2) \div (2-1+8)$

$= (-3) \cdot (6) \div (-1+8)$

$= (-3) \cdot (6) \div (7)$

$= -18 \div 7$

$= \boxed{\dfrac{-18}{7} \text{ or } \approx -2.57}$