

(1.8) Exercises 7-24

P. 56

⑦ false

⑧ OPEN

⑨ true

⑩ true

⑪ false

⑫ false

⑬ open

⑭ false

⑮ open

⑯ $8x + 5 = 29$

$8(3) + 5 = 29$

$24 + 5 = 29$

$29 = 29$

✓

⑰ $5b + 1 = 16$

$5(-3) + 1 = 16$

$-15 + 1 = 16$

$-14 = 16$

✗

⑱ $6 = 2n - 8$

$6 = 2(7) - 8$

$6 = 14 - 8$

$6 = 6$

✓

⑲ $2 = 10 - 4y$

$2 = 10 - 4(2)$

$2 = 10 - 8$

$2 = 2$

✓

⑳ $9a - (-72) = 0$

$9(-8) - (-72) = 0$

$-72 + 72 = 0$

$0 = 0$

✓

㉑ $-6b + 5 = 1$

$-6(\frac{1}{2}) + 5 = 1$

$-3 + 5 = 1$

$2 = 1$

✗

㉒ $7 + 16y = 11$

$7 + 16(\frac{1}{4}) = 11$

$7 + 4 = 11$

$11 = 11$

✓

㉓ $14 = \frac{1}{3}x + 5$

$14 = \frac{1}{3}(27) + 5$

$14 = 9 + 5$

$14 = 14$

✓

㉔ $\frac{3}{2}t + 2 = 4$

$\frac{3}{2}(\frac{2}{3}) + 2 = 4$

$1 + 2 = 4$

$3 = 4$

✗