

9.  $\frac{1}{32}$

11.  $\frac{5s^2}{t}$

13.  $-2$

10.  $1, m \neq 0$

12.  $4x^3$

14.  $\frac{1}{8}$

16.  $b^0$  is equal to 1, not 0;  $\frac{x^n}{a^{-n}b^0} = \frac{a^n x^n}{1} = a^n x^n$ .

17. negative

18. positive

19. negative

20. negative

25. a.  $5^{-2}, 5^{-1}, 5^0, 5^1, 5^2$

b.  $5^4$

c.  $a^n$

26.  $ab^2$

27.  $4gh^{-3}$

28.  $\frac{5m^6n^{-1}}{3}$

29.  $\frac{8c^5d^{-4}e^2}{11}$

30. \$125

31.

$n$	3	$\frac{1}{6}$	7	$\frac{5}{8}$	2
$n^{-1}$	$\frac{1}{3}$	6	$\frac{1}{7}$	$\frac{8}{5}$	0.5