

Name : _____

Multiplying Monomials

Single-variable: S1

Multiply the following.

1) $\frac{2}{3}p^3 \times \frac{1}{3}p^4$

2) $-2y \times \frac{5}{6}y \times 9y$

3) $7 \times -6s^7 \times -2s^6$

4) $-\frac{3}{4} \times -32t^2$

5) $\frac{4}{9}n^5 \times \frac{18}{5}n^5$

6) $3r^3 \times -3r^5$

7) $-14g \times \frac{1}{8}g^3$

8) $\frac{9}{4}z^6 \times \frac{4}{27}z^7 \times \frac{1}{2}z^2$

9) $-\frac{5}{7}q^4 \times -\frac{7}{5}q^6$

10) $6v^2 \times -8v^7$

Name : _____

Answer key

Multiplying Monomials

Single-variable: S1

Multiply the following.

1) $\frac{2}{3}p^3 \times \frac{1}{3}p^4$

$\frac{2}{9}p^7$

2) $-2y \times \frac{5}{6}y \times 9y$

$-15y^3$

3) $7 \times -6s^7 \times -2s^6$

$84s^{13}$

4) $-\frac{3}{4} \times -32t^2$

$24t^2$

5) $\frac{4}{9}n^5 \times \frac{18}{5}n^5$

$\frac{8}{5}n^{10}$

6) $3r^3 \times -3r^5$

$-9r^8$

7) $-14g \times \frac{1}{8}g^3$

$-\frac{7}{4}g^4$

8) $\frac{9}{4}z^6 \times \frac{4}{27}z^7 \times \frac{1}{2}z^2$

$\frac{1}{6}z^{15}$

9) $-\frac{5}{7}q^4 \times -\frac{7}{5}q^6$

q^{10}

10) $6v^2 \times -8v^7$

$-48v^9$