

Name _____

Power of Products

Simplify by using power of product rule.

1) $7^2 \cdot 3^2$ $(7 \cdot 3)^2$	2) $a^5 \cdot (-b)^5$ $(a \cdot -b)^5$
3) $5^4 \cdot (-y)^4$ $(5 \cdot -y)^4$	4) $(-3x)^3 \cdot (-7)^3$ $(-3x \cdot -7)^3$
5) $(-2c)^3 \cdot 3d^3$ $(-2c \cdot 3d)^3$	6) $(-4)^5 \cdot (-7)^5$ $(-4 \cdot -7)^5$
7) $(-3)^6 \cdot y^6 \cdot (-z)^6$ $(-3 \cdot y \cdot -z)^6$	8) $x^4 \cdot (-y)^4 \cdot 2z^4$ $(x \cdot -y \cdot 2z)^4$