

Name _____

Power of Products

Simplify by using power of product rule.

1) $4^5 \cdot 12^5$ $(-4 \cdot -12)^5$	2) $2^3 \cdot (-5)^3$ $(2 \cdot -5)^3$
3) $3^4 \cdot (-7)^4$ $(3 \cdot -7)^4$	4) $(-3)^5 \cdot (-4)^5$ $(-3 \cdot -4)^5$
5) $(-7)^8 \cdot (-9)^8$ $(-7 \cdot -9)^8$	6) $(-6)^3 \cdot (-4)^3$ $(-6 \cdot -4)^3$
7) $2^5 \cdot (-4)^5 \cdot (-3)^5$ $(2 \cdot -4 \cdot -3)^5$	8) $(-4)^4 \cdot (-3)^4 \cdot (-6)^4$ $(-4 \cdot -3 \cdot -6)^4$