Lesson 19 Test: Product Rules for Exponents

The test answer keys provide answers only.
Worked solutions for these problems are located in the Digital Pack.

1) 35^{14}

2) 7^{10}

3) x^8

4) $a^{\frac{7}{3}}$

5) $a^9 b^6$

6) $15a^{15}b^4$

7) x^9

8) $5^{\frac{14}{3}}$

9) $x^{20}y^{36}$

10) $7^{10}a^{24}b^{14}$

11) $2x^9 y^{13}$ square units

12) $\frac{32}{3}\pi a^{15}b^3$ cubic units

13) $9x^6 y^4$ square units

14) $a^6 b^7$

15) $32x^6 y^4 z$

16) ab^4