

Factorizing as the difference of two squares part4

Factorize the following algebraic expressions

$$1) \frac{a^2}{25} - \frac{b^2}{49}$$

$$2) \frac{9a^2}{25} - \frac{49b^2}{81}$$

$$3) \frac{36a^2}{121} - \frac{b^2}{169}$$

$$4) \frac{c^2}{144} - \frac{d^2}{289}$$

$$5) \frac{c^2}{49} - \frac{d^2}{400}$$

$$6) \frac{64c^2}{225} - \frac{9d^2}{361}$$

$$7) \frac{c^2}{36} - \frac{d^2}{25}$$

$$8) \frac{c^2}{9} - \frac{d^2}{100}$$

