

1.  $25 t^2 - 9a^2$

2.  $4v^2 - 49 u^2$

3.  $-\frac{1}{4}a^2 + 4 b^2$

4.  $x = \frac{11}{2}$

5.  $6a^2 + 6b^2 - 13 ab$

6.  $x = \frac{49}{20}$

7.  $16 u^2 + 81 v^2 + 72 uv$

8.  $\frac{4}{9}x^2 + \frac{1}{16}y^2 - \frac{1}{3}xy$