

$$2 \text{ (iv)} \quad \text{let } 2m = 18$$
$$\Rightarrow m = \frac{18}{2}$$
$$= 9$$

$$\begin{array}{l|l} m^2 - 1 = 9^2 - 1 & m^2 + 1 = 9^2 + 1 \\ = 81 - 1 & = 81 + 1 \\ = 80 & = 82 \end{array}$$

$\therefore$  required pythagorean triplet  
is 9, 80, 82