

$$51. \frac{x^2-10x+25}{x-5} = \frac{(x-5)^2}{x-5} = x-5$$

$$52. \frac{x^2-49}{x-7} = \frac{(x-7)(x+7)}{x-7} = x+7$$

$$53. \frac{x^2+2xy+y^2}{x+y} = \frac{(x+y)^2}{x+y} = x+y$$

$$54. \frac{9n^2+30n+25}{3n+5} = \frac{(3n+5)^2}{3n+5} = 3n+5$$

$$55. \frac{x^2-4}{2x+4} = \frac{(x-2)(x+2)}{2(x+2)} = \frac{x-2}{2}$$

$$56. \frac{64-48m+9m^2}{(8-3m)^2} = \frac{(8-3m)^2}{(8-3m)^2} = 1$$

$$57. \frac{9x^2+42xy+49y^2}{6x+14y} = \frac{(3x+7y)^2}{2(3x+7y)} = \frac{3x+7y}{2}$$