入試対策プリント（計算問題）67日目　（解答と解説）

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1 解答　(1)　8　(2)　$\dfrac{7x-10}{12}$　(3)　$\sqrt{2}$　(4)　2

(1)　$5-(-6)\div 2 = 5-(-3) = 5+3 = 8$

(2)　$\dfrac{3x-2}{4}-\dfrac{x-3}{6} = \dfrac{3(3x-2)-2(x+2)}{12}$

$= \dfrac{9x-6-2x-4}{12}$

$= \dfrac{7x-10}{12}$

(3)　$\dfrac{3}{\sqrt{2}}-\dfrac{2}{\sqrt{8}} = \dfrac{3\sqrt{2}}{2}-\dfrac{2}{2\sqrt{2}}$

$= \dfrac{3\sqrt{2}}{2}-\dfrac{1}{\sqrt{2}}$

$= \dfrac{3\sqrt{2}}{2}-\dfrac{\sqrt{2}}{2}$

$= \dfrac{2\sqrt{2}}{2}$

$= \sqrt{2}$

(4)　$(2x+1)^2-(2x-1)(2x+3) = 4x^2+4x+1-(4x^2+4x+3)$

$= 4x^2+4x+1-4x^2-4x-3$

$= 2$