

SVAR till diagnostiskt prov i matematik

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|------------|-------------------|--------------------------|-----------------------|--------------------|
| 1. 310 | 2. 7 | 3. $\frac{9}{20}$ | 4. $\frac{5}{7}$ | 5. $\frac{4}{9}$ |
| 6. 136 kr | 7. 15% | 8. $\frac{1}{72}$ | 9. $2 \cdot 10^6$ | 10. $x^2 + x - 12$ |
| 11. 3 | 12. $5x$ | 13. $\frac{5}{x^2 - 5x}$ | 14. $1 + \frac{3}{a}$ | 15. -4 |
| 16. $9x^2$ | 17. $\frac{2}{3}$ | 18. 0,-3 | 19. -5 | 20. 2 |
| 21. 3 | 22. 125 | 23. x^2 | 24. $y \geq 7$ | 25. $x = -2$ |

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|---------------------------------|-------------------------|-----------------------|-------------------------------------|-------------------------|
| 26. $-\sin x$ | 27. $-\sin x$ | 28. $0, \pi$ | 29. $\frac{\pi}{4}, \frac{5\pi}{4}$ | 30. 8 resp 2 |
| 31. 4 | 32. (2,9) | 33. $x - 1$ | 34. $3x^2(2x - 3)$ | 35. $x^2(x + 2)(x - 2)$ |
| 36. $\frac{1}{5}, -\frac{3}{2}$ | 37. $0, -\frac{48}{19}$ | 38. $\pm \frac{3}{2}$ | 39. $\frac{3}{4}$ | 40. $-\frac{11}{4}$ |
| 41. 72° | 42. 29 | 43. $-\frac{3}{5}$ | 44. $\sqrt{7}$ cm | 45. $-\frac{17}{15}$ |
| 46. $\ln \frac{9}{x}$ | 47. $\sqrt{2}$ | 48. $\frac{4\pi}{9}$ | 49. $\frac{7\pi}{25}$ | 50. 27 |