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| **Similar Shapes Revision** | | |
| **(a)** | **(b)** | **(c)** |
| Triangles ABC and DEF are similar. Calculate the lengths of DE and AC. | Rectangles A and B are mathematically similar. The area of A is . Work out the area of rectangle B. | Find the missing length . |
| **(d)** | **(e)** | **(f)** |
| Cylinders A and B are similar. The volume of cylinder B is . Find the volume of cylinder A. | Find the missing  lengths and . | Cuboids A and B are similar. A has a volume of and B has a volume of . Find the length . |
| **(g)** | **(h)** | **(i)** |
| Cones A and B are mathematically similar. Cone A has a volume of and a surface area of . Cone B has a volume of . Find its surface area. | The area of the white triangle is . Find the area of the shaded region. | Pentagons A and B are similar. The scale factor of their lengths is . The area of A is . If the area of B is , find the value of . |